TEL:502-499-9019

Mar 23'95 15:20 No.005 P.01

1300

2 a 1828 🛰



10121 PRODUCTION COURT LOUISVILLE, KY 40298-2117 502-491-0872 \* FAX 502-499-9019

## PACSIMILE TRANSMITTAL PAX: 502-499-9019

PROM: Fred Strand  PROM: Ketha Sinis  DATE: 343/95 TIME: 1530	Recipient's Telecopy 347-4464  Recipient's Confirmation 799 347 - 3931
Total Pages 8 (incl. cover she	eet)
ORIGINAL WILL:  Follow via mail Follow via messenger Follow via overnight service Not be sent	S <b>a</b>
COMMENTS:	can read this.

The documents accompanying this telecopy transmission contain confidential, privileged or proprietary information that either constitutes the property of Roy F. Weston, Inc. (WESTON<sub>e</sub>) or, if the property of another, represents information that is within WESTON's care, custody and control. The information is intended to be for the use of the individual or entity named on the transmission sheet. If you are not the intended recipient, be aware that disclosure, copying or use of the contents of this telecopied information is prohibited. If you have received this telecopy in error, please notify us by telephone immediately so that we can arrange for the retrieval of the original documents at no cost to you. Thank you for your assistance.

2 1 1329

Location of water wells for potentiometric surface measurement in the vicinity of the Saad Site, Nashville, Tennessee

On the morning of August 10, 1994, Chris Groves met with Mr. David Grief of the water well permitting division of the Tennessee Department of Environment and Conservation (TDEC) to obtain locations and descriptions of water wells in the vicinity of the Sand Site in order to more accurately determination the configuration of the potentiometric surface in the area. The state turned out to have information on 23 water wells that were deemed to be within the area of interest, plus 7 B.P.A. monitoring wells on the former Croft Farm, where we already had good control on water table elevation. No stormwater drainage wells are known to be present in the area. A full day was expended in the search for these wells.

Of the 23 wells, 12 could not be found because of insufficient information on location. Each of the remaining walls was investigated. Unfortunately, of these, water levels could only be determined for three wells for a number of reasons, including welded caps that prevented measurement (one well), wells that had been abandoned and ultimately covered due to insufficient yield (five wells), and two wells where landowner permission could not be obtained.

After this effort, a search was made in the neighborhoods in the area near Nolmaville Road to find older homes that might have at one time had water supply wells. Residents at about a dozenhomes, including a number of residents who had been in the area for over thirty years, were asked, and none know of any wells that were still present. This suggests that the TDEC list is comprehensive, and that few if any other wells are present in this urban area.

The attached sheets describe the three wells that were measured.

ceture: Water Woll	Monitoring Well	
Spring	Karnt Window	
Surface Stream	Lake or Pond	
ventory Number: <u>W3</u>	Location - Latitude and	Longitude:
te Well Identification Number	T	·
ne of Feature:	Location Description:	10 rea of 300
nouner: Cathern Fatti	man wheels	
b) Leveled from Bench M	fark	ontour Interval
of Casing Blevation:	_	
th to Water:		8 4
ation of Water Surface:		
al Depth of Well:	-	35.2
a) Measured		
b) Supplied by Owner _		
nater of Well:		
eened Interval:		
pe of Casing:	•	
ength of Casing:	•	
op of Bedrock Elevation:		

2 6 1831

Type of Pump:	Submersible		Jet		Other	_ non
Water Well Use:	_					
a) Not Used		h) Residential		c) Li	restock	
d) Irrigation		e) Other				
Does Water Becom	e Cloudy or Mu	ddy After Heav	y Rairu?	Yes	. No	?
Yield of Well?		?	<del></del>			
Dues it Go Dry?	Yes	No	7	_		
Odor?						
a) None		b) Hydrogen	Sulfide _			
c) Hydrocar	toon	d) Other				
LNAPL Observed I	Floating on Surfi	ice? Yes_		No	?	÷
Temperature:	<u>-</u>					
Specific Conductan		<del></del>				
Grab Sample Colle	cted? Yes_		No			
Dys Receptor Place	ed in Well? .	Yes		No	_	
Suspected Reasons s) Pump has	Why the Water					sr Table:
	Aquifer					
=	Aquifer		-			
Comments:						

2 1332

## POTENTIOMETRIC SURFACE FORM Crawford and Associates, Inc.

Project Name: Saad	Date: 8/	10 94 Time: //: 22 Am	
Persons Completing Potentiomot	ric Surface Form: _ Ch _	is Giroves	
Feeture: Water Well	Monitoring Well	Drainage Well	
Spring	Karst Window	Cave Stream	
Surface Stream	Lake or Pond		
Inventory Number: //	Location - Latitude and	Longitude:	
State Well Identification Number	03709109	3: ram para	ı
Name of Feature:	Location Description:	Behind house in conc	ut
Landowser: June Vaugn	pad be neath	of berrel planter.	
(address)		1	
Surface Elevation of Ground at 1 a) Estimated from contou b) Leveled from Bench M Type and Location of	r mep Co	ontour Interval	
Top of Casing Blevation:	_		
Depth to Water:	==	19'	
Elevation of Water Surface:	-		
Total Depth of Well:	_	44'	
a) Measured			
b) Supplied by Owner _			
Diameter of Well:	_		
Screened Interval:	•		
Type of Casing:	-	Steed	
Length of Casing:			
Top of Bedrock Elevation:	_		

2 . 1333

Type of Pump:	Submertible_	Jet _		Other	nme
Water Well Use: a) Not Use d) Irrigation		b) Residential	c) Liv	restock	
Does Water Becom	ne Cloudy or Muc	idy After Heavy Rain	s? Yes	No 7_	
1 1884 Ot 11 cost					
Does it Ou Dry?	Yes	No 7			
Odor?					
a) None		b) Hydrogen Sulfide	·		
c) Hydroca	rbon	d) Other			
LNAPL Observed	Floating on Surfa	ce? Yes	No	7	i,
Temperature:					
Specific Conductar pH:					
Grab Sample Colle	octed? Yes_	No _			
Dye Receptor Plac	ed in Well? .	Yes	No	-	
b) Perchéd	Aquifer	<del> </del>	May Not Repre	sent the Water Tab	le: none
Comments:					<del></del>

2 0 1334

## POTENTIOMETRIC SURFACE FORM Crawford and Associates, Inc.

Project Name: Saad	Date: 5	10/44 Time:
Persons Completing Potentions	atric Surface Form:	Groves
Feature: Water Well	Monitoring Well	Drainage Woll
Spring	Karst Window	Cave Stream
Surface Stream	Lake or Pond	
Inventory Number: W2	Location - Latitude and	d Longitude:
State Well Identification Number	TNOOSTIL	
Name of Feature:	_ Location Description:	in front yand of
Landowner:		agen Mills RD.
(address)	under rect	tancelar duminum con
	5' K 6' 100	el nith grown, wer
	to 6 5.5	bush.
Surface Elevation of Ground at	Top of Well:	
		ontour Interval
b) Leveled from Bench i	Mark	
Type and Location of	of Bench Mark	
Top of Casing Elevation:	•	
Depth to Water:		10.6'
Elevation of Water Surface:		
Total Depth of Wall:		44.61
a) Measured		
b) Supplied by Owner _	· 	
Diameter of Well:		<b>5</b> '
Screened Interval:	•	
Type of Casing:		stact.
Longth of Casing:		
Ton of Bedrock Elevation:		

2 . 1835

Type of Pump:	Submersible_		Jet	Other	
Water Well Use:	<i>,</i>				
a) Not Use	d b	b) Residential		c) Livestock	
d) Irrigation		e) Other			
Does Water Becon	ne Cloudy or Muc	idy After Heavy	Rains? Yes	No ?	<del></del>
Yield of Well?		?			
Does it Go Dry?	Yes	No	?		
Odor?					
a) None		b) Hydrogen	Sulfide		
c) Hydroca	rbon	d) Other			
LNAPL Observed	Floating on Surfa	ce? Yes _	No	"	<b>.</b> .
Temperature:					
Specific Conductar pH:		<del></del>			
Grab Sample Colle	cted? Yes_		No	<del>-</del>	
Dye Receptor Place	ed in Well?	Yes	_ No _		
Suspected Reasons	Why the Water I	Elevation in the	Well May Not	Represent the Water Table	none
	a been running re				
b) Perched	Aquifer	<del></del>	•		
c) Confined	Aquifbr				
Comments:					
•					